

## **Structure of heavy nuclei and nucleon-nucleon interaction**

*Monday, 11 July 2022 16:20 (35 minutes)*

The report considers:

- phenomenological approaches to finding effective nucleon-nucleon forces for calculations of nuclear structure;
- shell model calculations in large configuration spaces;
- calculations of nuclei structure based on free nucleon-nucleon potential;
- Energy Density Functional approach;
- effective field theory for nucleon-nucleon interactions in the cores.

### **The speaker is a student or young scientist**

No

### **Section**

1. Nuclear structure: theory and experiment

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**Session Classification:** Plenary session